

Application No. 09/783,996
Reply to Office Action of June 30, 2003

ABSTRACT

A position control apparatus of an optical system capable of positioning a lens at a high accuracy in a near-field optical system using a solid immersion lens. An objective lens [[2]] and a solid immersion lens are fixed to a lens holder [[4]]. The lens holder [[4]] is moved by a tracking actuator [[5]] in the tracking direction of an optical disk [[51]] and is moved by a focus actuator [[8]] in the focus direction. The focus actuator [[8]] is controlled on the basis of the electrostatic capacitance occurring between the solid immersion lens [[3]] and the optical disk [[51]].